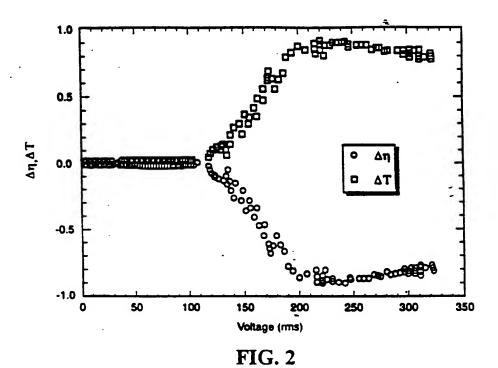


FIG. 1



100

0 E

Frequency Dependence of Grating Switching Voltages

FIG. 3

Frequency (kHz)

12.

10

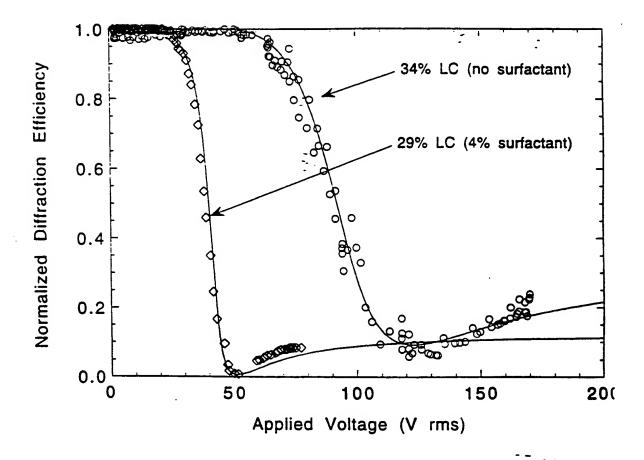


FIG. 4

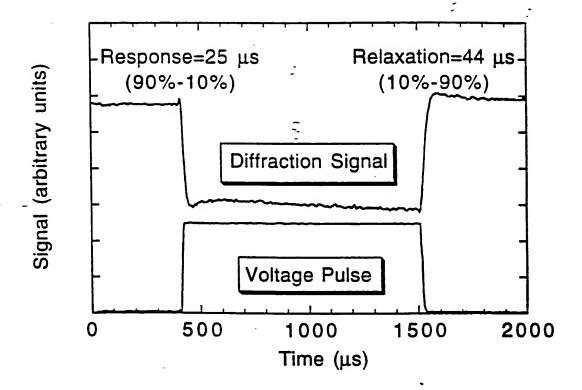


FIG. 5

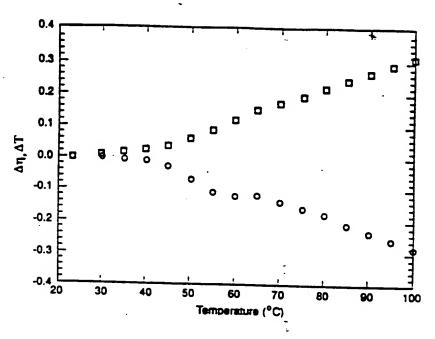
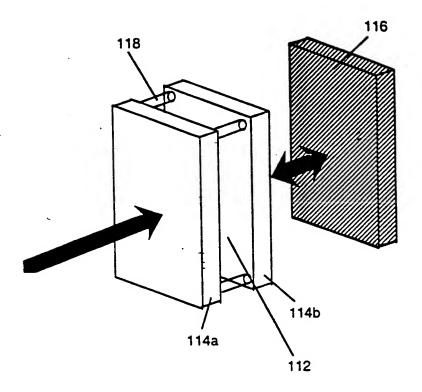


FIG. 6



**FIG.** 7

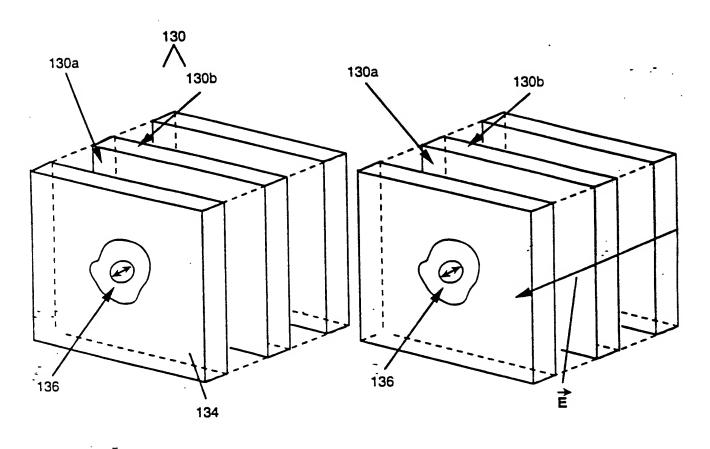


FIG. 8a

Reflection Grating

FIG. 8b

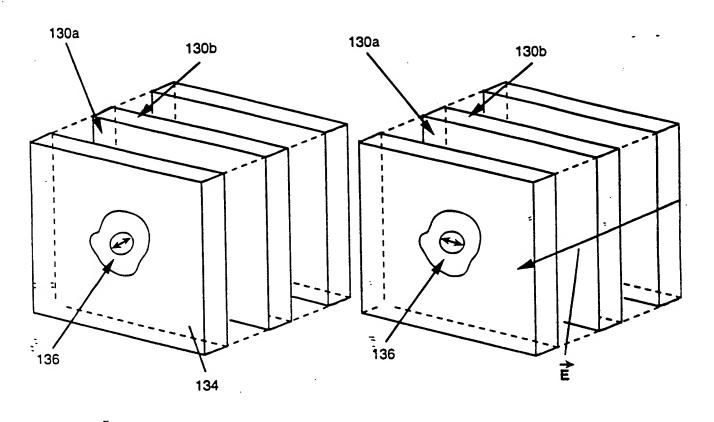


FIG. 9a Reflection Grating FIG. 9b

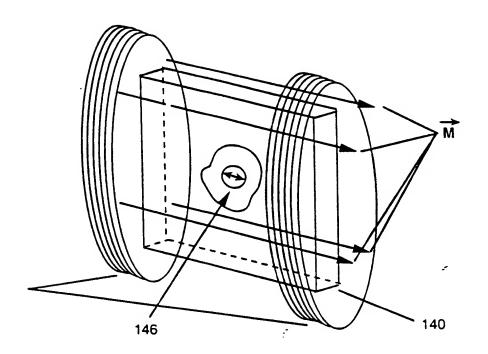


FIG. 10a

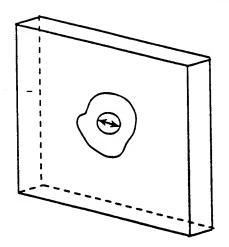


FIG. 10b

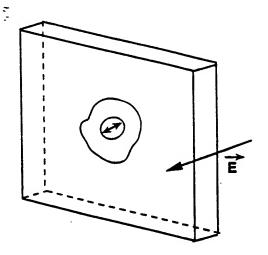
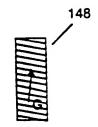
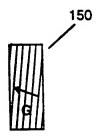


FIG. 10c





Slanted

transmission

reflection

FIG. 11a

FIG. 11b

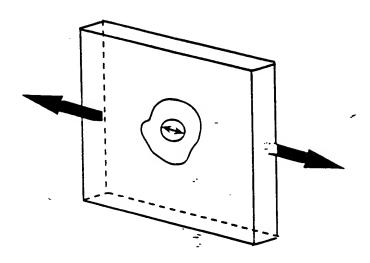


FIG. 12

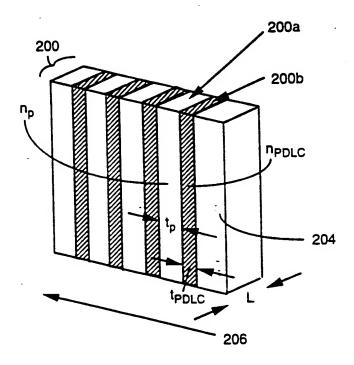


FIG. 13

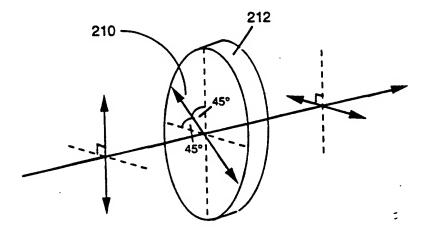


FIG. 14a

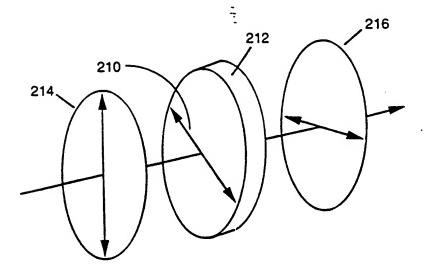
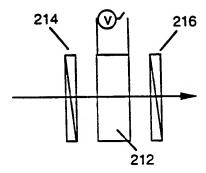


FIG. 14b



Light Transmitted



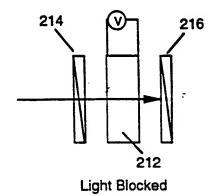


FIG. 14d

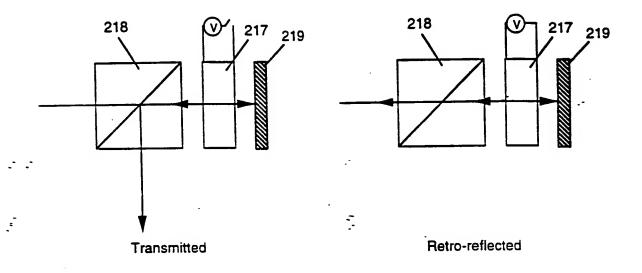
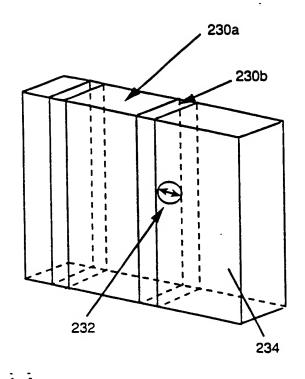
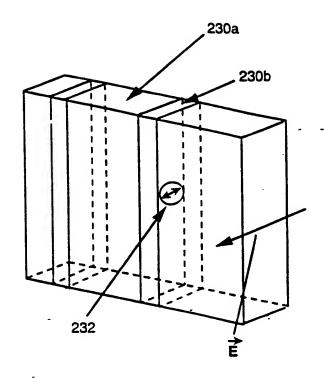


FIG. 15a

FIG. 15b





**Unswitched State** 

Switched State

FIG. 16a

**FIG.** 16b

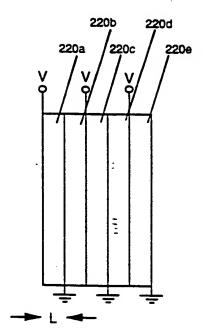


FIG. 17